

FIG. 1

30

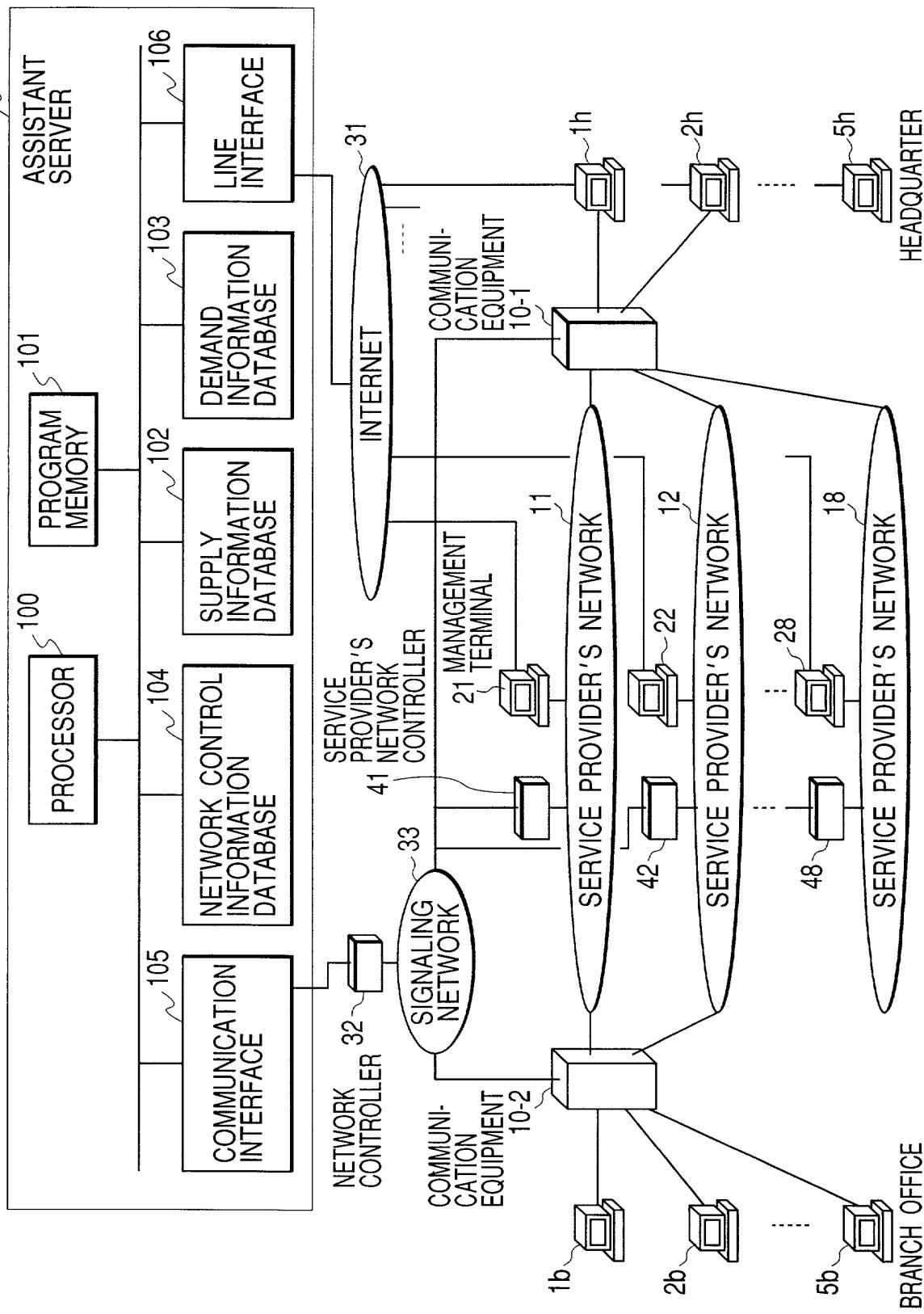


FIG. 2

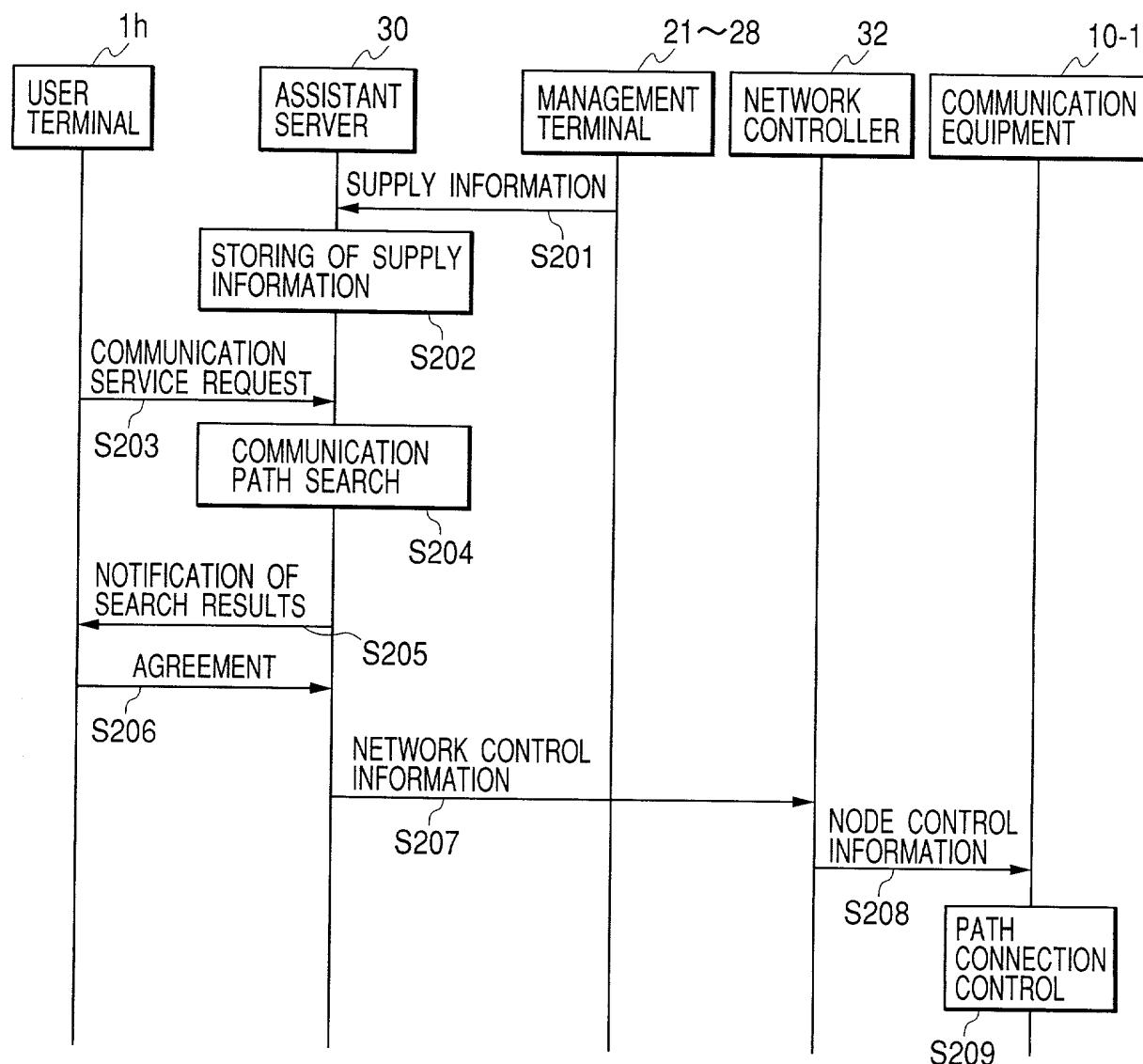


FIG. 3

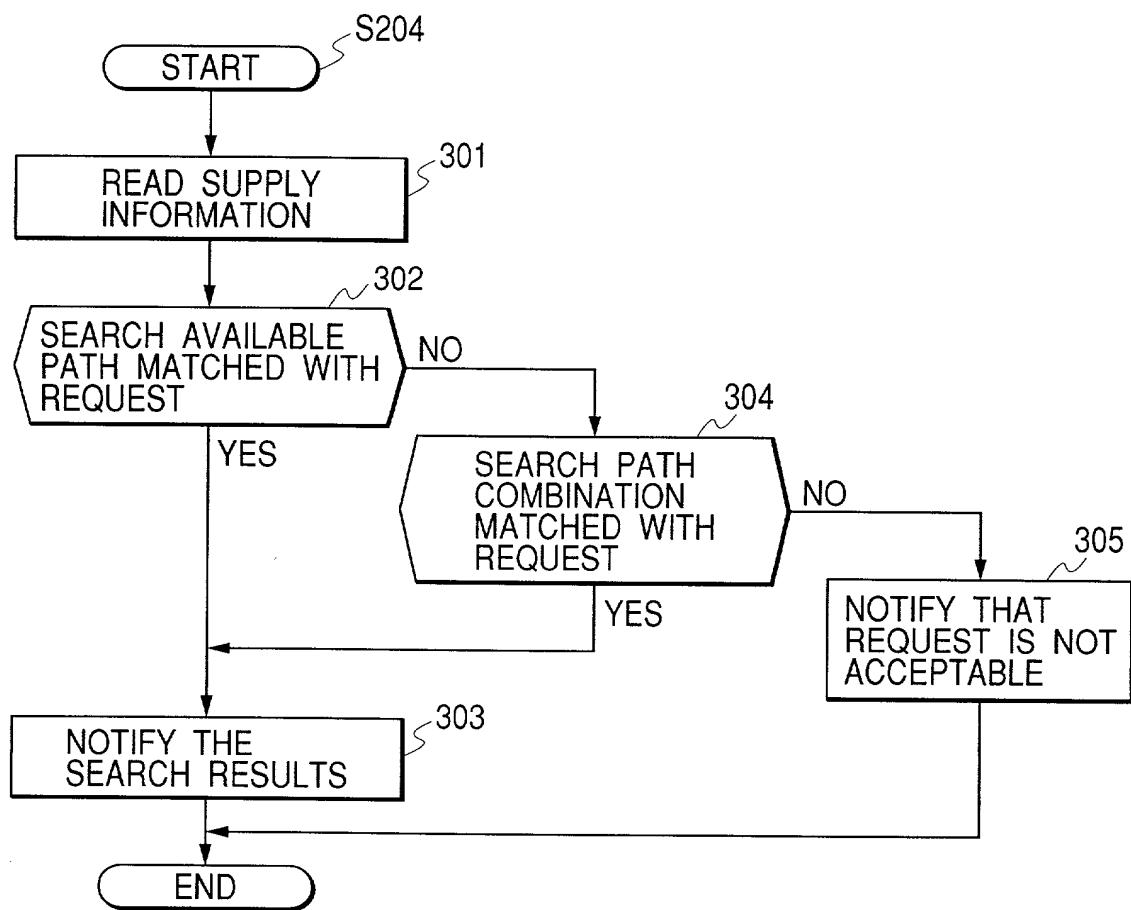


FIG. 4

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SUPPLY INFORMATION DATABASE

400	401	402	403	404	405
SERVICE PROVIDER	SERVICE AREA	SERVICE TERM	BANDWIDTH (bps)	QOS	SERVICE SHARE
a	TOKYO—OSAKA	2001/04/01—2003/03/31	2M	GUARANTEED	OK
b	TOKYO—OSAKA	2001/04/01—2003/03/31	3M	GUARANTEED	OK
c	TOKYO—OSAKA	2001/06/01—2003/06/30	2M	BEST EFFORT	OK
d	TOKYO—OSAKA	2001/06/01—2003/06/30	3M	BEST EFFORT	OK
e	TOKYO—OSAKA	2001/09/01—2002/08/31	1M	TOP PRIORITY	OK
f	TOKYO—OSAKA	2002/09/01—2003/08/31	1M	TOP PRIORITY	OK
g	TOKYO—OSAKA	2001/10/01—2005/08/31	5M	TOP PRIORITY	OK
h	TOKYO—OSAKA	2001/10/01—2005/08/31	5M	TOP PRIORITY	OK
:	:	:	:	:	:

FIG. 5

DEMAND INFORMATION DATABASE

500	501	502	503	504	505	506	507	508
USER	SERVICE AREA	SERVICE TERM	BANDWIDTH (bps)	QOS	BACKUP ROUTE	COMBINATION SERVICE	SOURCE ADDRESS	DESTINATION ADDRESS
A	TOKYO—OSAKA	2001/04/01—2003/03/31	5M	GUARANTEED	NO	OK	1h	1b
B	TOKYO—OSAKA	2001/06/01—2003/06/30	4M	BEST EFFORT	NO	OK	2h	2b
C	TOKYO—OSAKA	2001/06/01—2003/06/30	1M	BEST EFFORT	NO	OK	3h	3b
D	TOKYO—OSAKA	2001/09/01—2003/08/31	1M	TOP PRIORITY	NO	OK	4h	4b
E	TOKYO—OSAKA	2001/10/01—2005/08/31	5M	TOP PRIORITY	YES	OK	5h	5b
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮

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FIG. 6

104

NETWORK CONTROL INFORMATION DATABASE

USER	SOURCE ADDRESS	DESTINATION ADDRESS	SERVICE TERM	SERVICE AREA	SERVICE ID	FIRST PATH DEFINITION			SECOND PATH DEFINITION			QOS	BACKUP ROUTE
						SERVICE PROVIDER	BANDWIDTH (bps)	PATH ID	SERVICE PROVIDER	BANDWIDTH (bps)	PATH ID		
A	1h	1b	2001/04/01 – 2003/03/31	TOKYO – OSAKA	1	a	2M	1	b	3M	2	GUARANTEED	NO
B	2h	2b	2001/06/01 – 2003/06/30	TOKYO – OSAKA	2	c	1.6M	3	d	2.4M	4	BEST EFFORT	NO
C	3h	3b	2001/06/01 – 2003/06/30	TOKYO – OSAKA	3	c	0.4M	5	d	0.6M	6	BEST EFFORT	NO
D	4h	4b	2001/09/01 – 2002/08/31	TOKYO – OSAKA	4	e	1M	7	–	–	–	TOP PRIORITY	NO
D	4h	4b	2002/09/01 – 2003/08/31	TOKYO – OSAKA	4	f	1M	8	–	–	–	TOP PRIORITY	NO
E	5h	5b	2001/10/01 – 2005/08/31	TOKYO – OSAKA	5	g	5M	9	–	–	–	TOP PRIORITY	NO
E	5h	5b	2001/10/01 – 2005/08/31	TOKYO – OSAKA	5	h	5M	10	–	–	–	TOP PRIORITY	YES
					606A	607A	608A	606B	607B	608B			

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104a

104b

104c

104d

104e

104f

FIG. 7

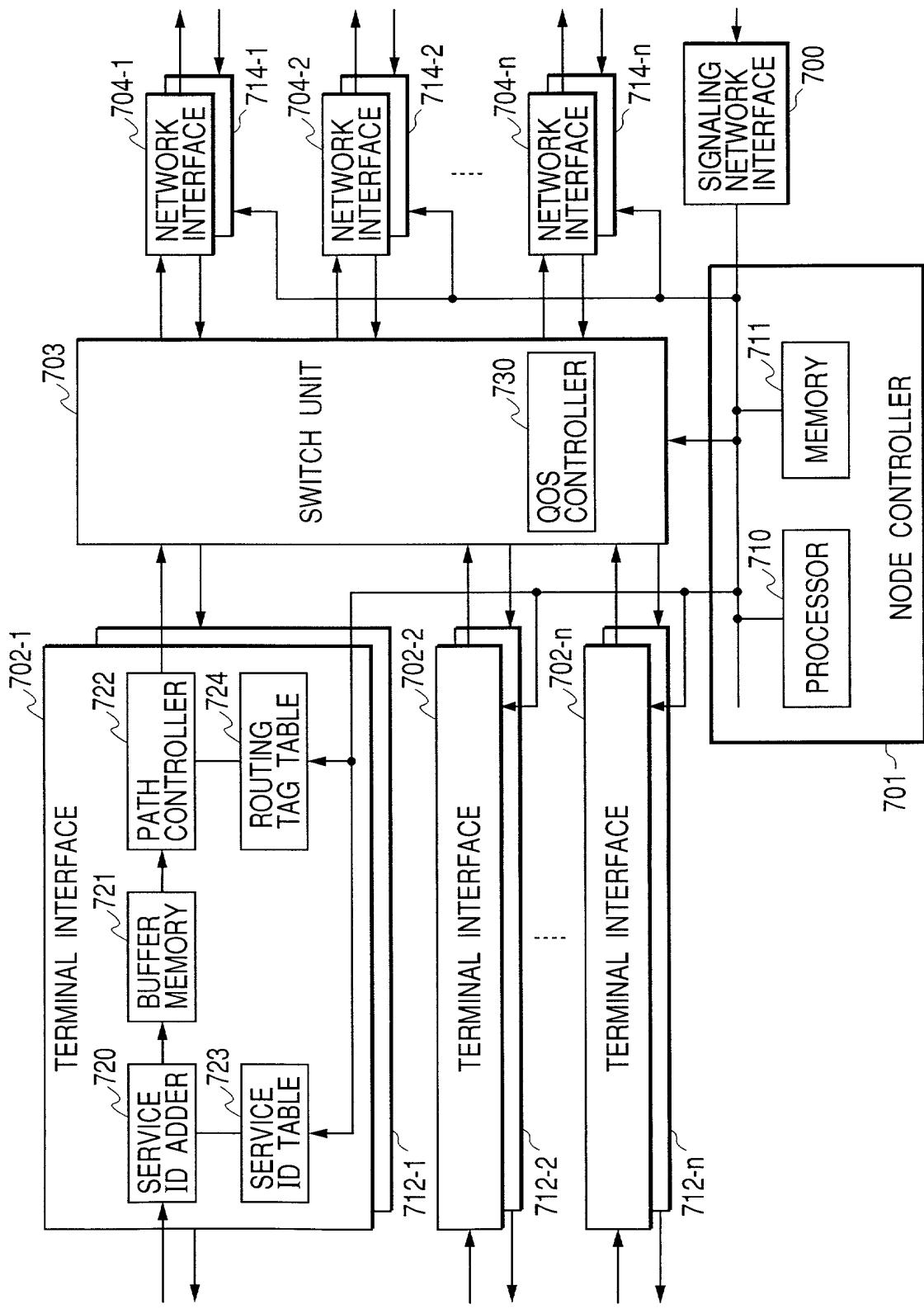


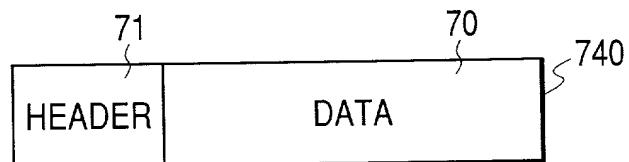
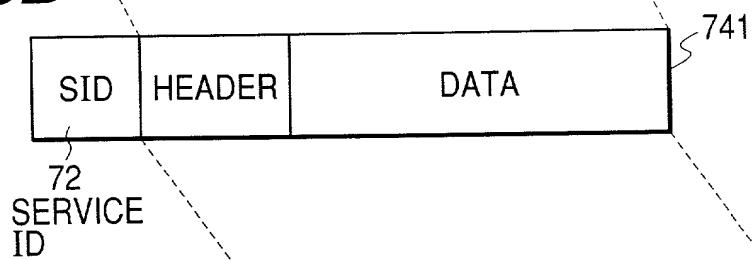
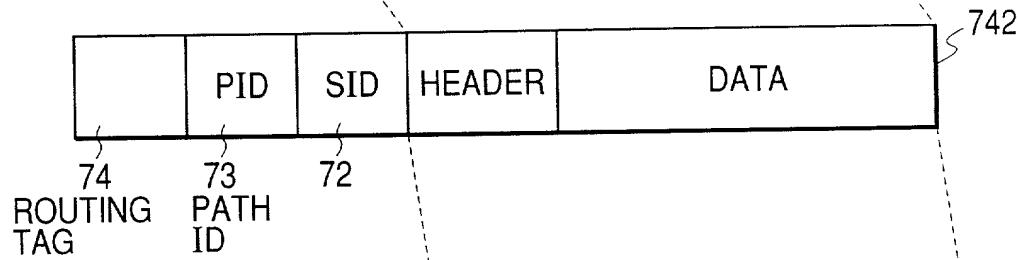
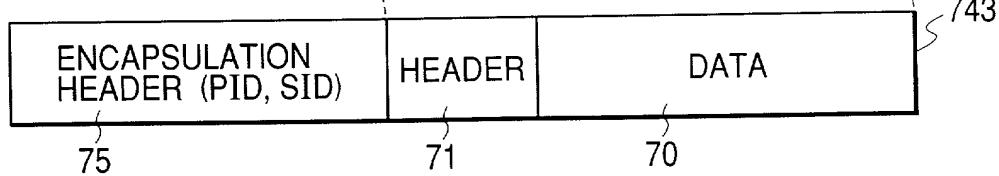
FIG. 8A**FIG. 8B****FIG. 8C****FIG. 8D**

FIG. 9

80

INPUT OF SUPPLY INFORMATION		
81	NAME OF SERVICE PROVIDER	a
82	FROM	TOKYO
82	TO	OSAKA
83	FROM	2001/04/01
83	UNTIL	2003/03/31
84	BANDWIDTH (bps)	2 Mbps
85	QOS	GUARANTEED
86	SERVICE SHARE	OK

CANCEL **ENTER**

B10 B11

FIG. 10

90

INPUT OF SERVICE REQUEST		
91	NAME OF USER	A
92	SERVICE AREA	FROM
		TOKYO
93	SERVICE TERM	TO
		OSAKA
94	BANDWIDTH (bps)	FROM
		2001/04/01
95	QOS	UNTIL
		2003/03/31
96	COMBINATION SERVICE	5 Mbps
		GUARANTEED
97	BACKUP ROUTE	YES
		NO
98	SOURCE ADDRESS	1h
		1b
99	DESTINATION ADDRESS	1b
		1c
CANCEL		ENTER

FIG. 11

110

● YOUR REQUEST IS AS FOLLOWS

120

NAME OF USER		A
SERVICE AREA	FROM	TOKYO
	TO	OSAKA
SERVICE TERM	FROM	2001/04/01
	UNTIL	2003/03/31
BANDWIDTH (bps)		5 Mbps
QOS		GUARANTEED
COMBINATION SERVICE		YES
BACKUP ROUTE		YES
SOURCE ADDRESS		1h
DESTINATION ADDRESS		1b

● SEARCH RESULT FOR YOUR REQUEST IS AS FOLLOWS

130

SERVICE PROVIDER (1)	BANDWIDTH	SERVICE PROVIDER (2)	BANDWIDTH	REQUESTED QOS
a	2 Mbps	b	3 Mbps	GUARANTEED

131 132 133 134 135

ORDER CHANGE OF REQUEST/RE-SEARCH END

B14 B15 B16

FIG. 12

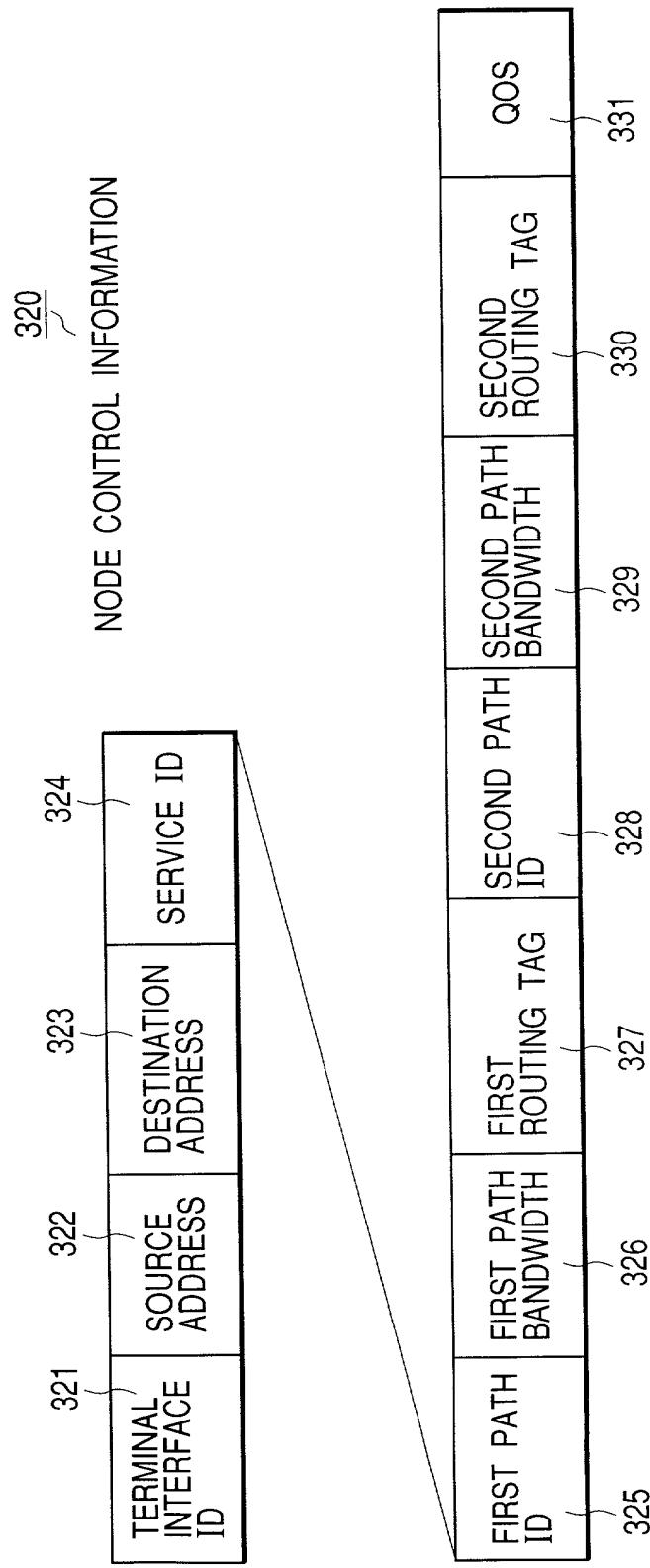


FIG. 13

